

New Cassel/Hicksville Groundwater Contamination Superfund Site – Remedial Design Oversight 032-ROBE-A245

Cost Estimate

This draft Cost Estimate which constitutes Volume 2 of the Draft Work Plan submittal was prepared for the United States Environmental Protection Agency (EPA) by Henningson, Durham and Richardson Architecture and Engineering, P.C. in association with HDR Engineering, Inc. (HDR) to provide Remedial Design (RD) Oversight services for the New Cassel / Hicksville Groundwater Contamination Superfund Site (the Site), located in the Towns of North Hempstead, Hempstead and Oyster Bay, Nassau County, New York. This draft Cost Estimate was prepared based upon the May 28, 2015 Statement of Work (SOW) and discussions with the EPA during the scoping meeting held on June 9, 2015. The RD Oversight is being performed under Work Assignment Number 032-ROBE-A245, under the EPA Remedial Action Contract (RAC) 2 Contract Number EP-W-09-009.

The task descriptions provided in the SOW are described in detail in the Draft Work Plan (Volume 1) and are outlined below. For purposes of negotiating the Draft Work Plan submittal with EPA we have provided our assumptions used to develop the Cost Estimate. . 2015 labor rates were used for this estimate.

Note the Cost Estimate includes only activities in Task 1 per the SOW. Concurrent with the SOW EPA issued a Unilateral Administrative Order to the PRP for RD Work. Pending PRP compliance, a Work Assignment Amendment will be issued to HDR by EPA to complete the Cost Estimate for the remaining RD Oversight tasks. In the event the PRPs do not comply, EPA intends to issue a new Work Assignment for HDR to perform the RD activities.

Task 1 - Project Planning and Support

Task 1.1 - Project Administration (assume 98 LOE hours)

As per the SOW, the period of performance (POP) for full RD Oversight is 24 months; however, HDR has assumed a 7 month POP for completion of Task 1 only as described above. The breakdown is as follows:

- P4 = 14 LOE hours
 - 2 hour/month for 7 months: monthly invoicing, project status and budget (14 hours)
- P3 = 56 LOE hours
 - Record keeping and filing, project guide, quality control and financial system updates (4 hours per month, 7 months = 28 hours)

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Draft RD Oversight Cost Estimate July 2015

- Monthly invoicing, progress reports, project status and budget, status updates, team meetings, projections, scheduling and staffing (4 hours/month, 7 months = 28 hours)
- P2 = 14 LOE hours
 - 2 hour/month, 7 months for progress reports, project status and budget reviews
- T1 = 14 hours
 - 2 hours/month, 7 months for monthly invoicing

Task 1.2 - Scoping Meeting (4.5 LOE hours)

- P3 = 2 LOE hours
 - Attend meeting plus travel (2 hours)
- P2 = 2.5 LOE hours
 - Attend meeting plus travel (2 hours)
 - Prepare and submit draft/final meeting minutes (0.5 hour)

Task 1.3 - Conduct Site Visit

Although the SOW calls for a site visit, HDR is very familiar with the Site; therefore, LOE has not been assumed for this task.

Task 1.4 – Develop Draft Work Plan and Cost Estimate (assume 36 LOE hours)

- P4 = 4 LOE hours
 - QC review
- P3 = 10 LOE hours
 - Develop work plan text (3 hours)
 - Cost estimate and assumptions (3 hours)
 - QC review (4 hours)
- P2 = 22 LOE hours
 - Develop work plan text (10 hours)
 - Cost estimate and assumptions (8 hours)
 - Figures/tables (1 hour)
 - Project schedule (1 hours)
- Clerical = 1 LOE hour
 - Prepare hardcopies (1 hour)

Task 1.5 - Negotiate and Revise Draft Work Plan /Budget (assume 7.5 LOE hours)

- P4 = 1.5 LOE hours
 - Participate in one (1) teleconference negotiation (1 hour)
 - QC review of final Work Plan/Budget (0.5 hours)
- P3 = 3 LOE hours

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Draft RD Oversight Cost Estimate July 2015

- Prepare for and participate in one (1) teleconference negotiation (1 hour)
- Revise Work Plan/Budget, project schedule, etc. (2 hours)
- P2 = 3 LOE hours
 - Prepare for and participate in one (1) teleconference negotiation (1 hour)
 - Revise Work Plan/Budget (2 hours)
- Clerical = 1 LOE hours
 - Prepare hardcopies (1 hour)

Task 1.6 - Evaluate Existing Data and Documents (assume 50 hours)

- Review PRP Background Documents (Assumes 1 document):
 - P3 = 10 LOE hours
 - P2 = 40 LOE hours

Task 1.7 – QAPP

HDR has assumed that a QAPP will not be prepared at this time since there are no sampling requirements or field work included in Task 1 activities. In the future if a Work Assignment amendment is issued by EPA authorizing oversight of the remaining RD Oversight tasks, HDR would revise the Cost Estimate at that time to include preparation of the QAPP.

Task 1.8 – HASP (assume 9 hours)

This Task assumes the preparation of a limited HASP to cover on-Site meetings. It assumes no EPA review/comment. In the future if a Work Assignment amendment is issued by EPA authorizing oversight of the remaining RD Oversight tasks, HDR would revise the Cost Estimate at that time to include preparation of a full HASP.

- P3 = 1 LOE hour
 - Provide input and QC review
- P2 = 8 LOE hours
 - Prepare limited HASP for on Site meetings

Task 1.9 – Review PRP Plans (assume 140.5 hours)

- Review PRP Work Plan. Assume 100 page document (LOE 62.5 hours)
 - P3 = 12.5 LOE hours
 - Focused review of document/review prepared comments (12.5 hours)
 - P2 = 50 LOE hours
 - Review document (2 pages / hour = 50 hours)
- Review PRP QAPP: assumes 37 worksheets (LOE 46.5 hours)
 - P3 = 9.5 LOE hours
 - Focused review of document/review prepared comments (9.5 hours)
 - P2 = 37 LOE hours

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Draft RD Oversight Cost Estimate July 2015

- Review document (1 hour / worksheet = 37 hours)
- Review PRP HASP : Assumes 100 pages (LOE 31.5 hours)
 - P3 = 6.5 LOE hours
 - Focused review of document/review prepared comments (6.5 hours)
 - P2 = 25 LOE hours
 - Review document (4 pages / hour = 25 hours)

Task 1.10 – Meetings/Weekly Conference Calls (assume 122 hours)

- Meetings at EPA's office in New York City (18 LOE hours)
 - One 4-hr meeting
 - Two HDR team members
 - P3 = 8 LOE hours
 - Prepare for the meetings (1 hour/meeting = 1 hours)
 - Attend meeting plus travel (6 hours/meeting = 6 hours)
 - Draft minutes/follow-up (1 hour/meeting = 1 hours)
 - P2 = 10 LOE hours
 - Prepare for the meetings (1 hour/meeting = 1 hours)
 - Attend meeting plus travel (6 hours/meeting = 6 hours)
 - Prepare Draft/Final minutes/follow-up after the meetings (3 hours/meeting
 = 3 hours)
- Meetings at the Site (20 LOE hours)
 - One 4-hr meeting
 - Two HDR team members
 - P3 = 9 LOE hours
 - Prepare for the meetings (1 hour/meeting = 1 hours)
 - Attend meeting plus travel (7 hours/meeting = 7 hours)
 - Draft minutes/follow-up (1 hour/meeting = 1 hours)
 - P2 = 11 LOE hours
 - Prepare for the meetings (1 hour/meeting = 1 hours)
 - Attend meeting plus travel (7 hours/meeting = 7 hours)
 - Prepare Draft/Final minutes/follow-up after the meetings (3 hours/meeting
 = 3 hours)
- Weekly Conference Calls (84 LOE hours)
 - Weekly calls for 28 weeks (7 months)
 - Two HDR team members
 - P3 = 42 LOE hours
 - Prepare for the meetings (0.5 hours/meeting = 14 hours)
 - Attend meeting (1 hour/meeting = 28 hours)
 - P2 = 42 LOE hours

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- Prepare for the meetings (0.5 hours/meeting = 14 hours)
- Attend meeting (1 hour/meeting = 28 hours)

Task 1.11 - Subcontract Procurement

HDR has assumed that Subcontract Procurement will not be prepared at this time since there are no sampling requirements or field work included in Task 1 activities. In the future if a Work Assignment amendment is issued by EPA authorizing oversight of the remaining RD Oversight tasks, HDR would revise the Cost Estimate at that time to include this sub-task.

Task 1.12 - Perform Subcontract Management

HDR has assumed that Subcontract Management will not be needed at this time since there are no sampling requirements or field work included in Task 1 activities. In the future if a Work Assignment amendment is issued by EPA authorizing oversight of the remaining RD Oversight tasks, HDR would revise the Cost Estimate at that time to include this sub-task.

Cost Tables



REPORT:: GENERAL SUMMARY

WORK ASSIGNMENT NO: 032-ROBE-A245 WORK ASSIGNMENT TYPE: Remedial Design Oversight WORK ASSIGNMENT TITLE: New Cassel/Hicksville Groundwater Contamination Site

SUBMITTAL DATE 07/09/15

	GENERAL SUMMAR	Υ		
1	Labor Hours P4 P3 P2 P1 T2 T1 Professional Level of Effort (LOE)	19.5 169.5 264.5 0.0 0.0 14.0 467.5	Hours Hours Hours Hours Hours Hours	4% 36% 57% 0% 0% 3% % LOE
	Clerical Grand Total Labor Hours	2.0 469.5	Hours Hours	% Clerical 0%
	Grand Total Labor Hours	463.5	nouis	
2 2a	Labor Cost HDR, Inc. Total Labor (\$) Grand Total Labor Cost (\$)			
3	Other Direct Costs			
4	Travel			
5	Pool Subcontractors			
6	Special Equipment			
7	Total Estimated Costs	\$		
8	Fees Fee on LOE (\$7.984 * LOE) Mod 0056, September 2014 Fee on Pool Subcontractors Grand Total Fees (\$)			
9	Total Estimated Costs & Fees			

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ask Number	Task Name	LOE Hours [Report 2]	Total Labor Cost	ODCs [Report 3]	Travel	[Report	Pool Subcontractors [Report 5]	Special Equipment [Report 6]	Estimated Cost	Fee	Total
	1 Project Planning And Support										
	1 Project Administration	98					0.0			ونخنان	
1 1.	2 Attend Scoping Meeting 3 Conduct Site Visit	4.5									
1 14	4 Develop Draft RD Oversight Work Plan and Cost Estimate	36									
1 1.5	5 Negotiate and Prepare Final Work Plan and Budget	7.5									
1 1.6	6 Evaluate Existing Data and Documents	50									
1 1.7	7 Quality Assurance Project Plan (OAPP) 8 Health and Safety Plan (HASP)	္ 9									
1 1.0	9 Review PRP Plans	140.5									
1 1.10	Meetings/Weekly Conference Calls	122									
1 1.1	Subcontract Procurement	6									
1 1.13	2 Perform Subcontract Management	22									
	TASK 1 SUBTOTALS	467.5									
	FEE ON POOL SUBCONTRACTORS (4:167%) TASK 1 TOTALS										
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2 2.	Community Interviews - Not Applicable	<u> </u>	T T	10001	0000000		100000			ar e e	2000
2 2.2	2 Community Relations Plan (CRP) - Not Applicable										
2 2.3	3 Public Information Meeting Support	0									
2 2.4	Fact Sheet Preparation										
	5 Proposed Plan Support - Not Applicable 6 Public Notices										
	7 Information Repositories										
	B Site Mailing List	- 3									
	TASK 2 SUBTOTALS	0									300
	FEE ON POOL SUBCONTRACTORS (4.167%)										
	TASK 2 TOTALS										
	Field Oversight and Data Acquisition Mobilization and Demobilization Oversight									-	200
3 3.1	2 Remedial Design Field Oversight										
3 3	3 Prepare Field Investigation Oversight Periodic Reports										
3 3.4	Prepare Final Field Investigation Oversight Summary Report										
	TASK 3 SUBTOTALS	0	· ·								
	FEE ON POOL SUBCONTRACTORS (4.167%)										
	TASK 3 TOTALS										
A A	4 Task 4 Analysis of Split Samples			******			********	· · · · · · · · · · · · · · · · · · ·	······		-000
4 4.3	2 Analytical Services via CLP, DESA, EPA-ERT 3 Non-Routine Analytical Services	å									
	TASK 4 SUBTOTALS FEE ON POOL SUBCONTRACTORS (4.167%)	0						1			-000
	TASK 4 TOTALS										
Task	5 Task 5 Data Validation of Split Samples										
5 5.	Prepare and Ship Environmental Samples		i i								
5 5.3	2 Sample Management/Coordination with Appropriate Personnel										
5 5.3	3 Data Validation TASK 5 SUBTOTALS	0									5555
	FEE ON POOL SUBCONTRACTORS (4.167%)	U	4					1	locolo		3000
	TASK 5 TOTALS										388
Task t	6 Task 6 Data Evaluation of Sample Analysis										****
6 6.	1 Data Usability Evaluation and Field QA/QC										
6 6.3	2 Data Reduction, Tabulation and Evaluation	0									
	3 Modeling Oversight 4 Technical Memorandum (Data Evaluation Report)										
0 6.4	TASK 6 SUBTOTALS	0									****
	FEE ON POOL SUBCONTRACTORS (4.167%)										100
	TASK 6 TOTALS										
	7 Task 7 Review of PRP Remedial Design Documents									approximately and the second	
<u>ι 7.</u>	Review PRP Remedial Design Documents TASK 7 SUBTOTALS										3000
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Task	8 Task 8 Technical Meeting Support										333
8 8.	1 Technical Meeting Support										.0000
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	P Task 9 Work Assignment Closeout			****	000000						.3333
	2 Document Indexing										
	3 Document Retention/Conversion	- 3									
	TASK 9 SUBTOTALS	0									888
	FEE ON POOL SUBCONTRACTORS (4.167%)										
	TASK 9 TOTALS							1			
	GRAND TOTAL	467,5	10	\$30.00	1		000000	4	10000	(8)	333

Detail Summary Page 2 of 8



WORK PLAN
EPA REGION 2 AES CONTRACT NO. EP-W-09-009
REPORT 1a:: SUMMARY
WORK ASSIGNMENT NO: 032-ROBE-A245
WORK ASSIGNMENT TITLE: New Cassel/Hicksville Groundwater Contamination Site

Task Nu	ımber	Task Name	LOE Hours [Report 2]	Total Labor Cost	ODCs [Report 3]	Travel [Report 4]	Pool Subcontractors [Report 5]	Special Equipment [Report 6]	Total
	Task 1	Project Planning And Support							
1		Project Administration	98						
1		Attend Scoping Meeting	4.5						
		Conduct Site Visit	0						
1		Develop Draft Work Plan and Associated Cost Estimate	36						
1		Negotiate and Prepare Final Work Plan and Budget	7.5						
1	1.6	Evaluate Existing Data and Documents	50						
1	1.7	Quality Assurance Project Plan (QAPP)	0						
1		Health and Safety Plan (HASP)	9						
		Review PRP Plans	140.5						
1		Meetings/Weekly Conference Calls	122						
			0						
1		Subcontract Procurement							
1	1.12	Perform Subcontract Management	40						
		TASK 1 TOTALS	467.5						
	Task 2	Community Relations							
2		Community Interviews - Not Applicable	-;						
2		Community Relations Plan (CRP) - Not Applicable							
2		Public Meeting Support	6						
2		Fact Sheet Preparation							
2		Proposed Plan Support - Not Applicable	9						
2		Public Notices	0						
2		Information Repositories	+3						
2	2.8	Site Mailing List							
		TASK 2 TOTALS	0	- 1000 and					
	Task 3	Field Oversight and Data Acquisition		1000					
3		Mobilization and Demobilization Oversight	- 0						
3		Remedial Design Field Oversight	8						
3		Prepare Field Investigation Oversight Periodic Reports	+3						
3	3.4	Prepare Final Field Investigation Oversight Summary Report	(1						
		TASK 3 TOTALS	0						
		Task 4 Analysis of Split Samples							
4	4.1	Innovative Methods/Field Screening Analysis							
4	4.2	Analytical Services Provided by CLP, DESA, EPA-ERT							
4		Non-Routine Analytical Services							
		TASK 4 TOTALS	0	8 2000					
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<u> </u>		Prepare and Ship Environmental Samples		T					
5									
5		Sample Management/Coordination with Appropriate Personnel	4,						
5	5.3	Data Validation							
		TASK 5 TOTALS	0						
		Task 6 Data Evaluation of Sample Analysis							
6	6.1	Data Usability Evaluation and Field QA/QC							
6		Data Reduction, Tabulation and Evaluation	- 1						
6		Modeling Oversight	1.						
6		Technical Memorandum (Data Evaluation Report)	2						
	0.4	TASK 6 TOTALS	0						
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		Task 7 Review of PRP Remedial Design Documents							
7	7.1	Review PRP Remedial Design Documents							
		TASK 7 TOTALS	0						
	Task 8	Task 8 Technical Meeting Support							
8	8.1								
		TASK 8 TOTALS	0						
	Tack 0	Task 9 Work Assignment Closeout		10000					
9		Revised Work Plan Budget	£						
9		Document Indexing							
9	9.3	Document Retention/Conversion	5.						
		TASK 9 TOTALS	0						
				10000					
		GRAND TOTAL	467.5						

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SUBMITTAL DATE 07/09/15

WORK PLAN
EPA REGION 2 AES CONTRACT NO. EP-W-09-009
REPORT 2a:: LABOR
WORK ASSIGNMENT NO: 032-ROBE-A245
WORK ASSIGNMENT TITLE: New Cassel/Hicksville Groundwater Contamination Site

Task Project Planning And Support 1 1 56 14 96 96 96 96 96 96 96 9	Task Number	Task Name	P4	P 3	P2	P1	T2	T1	Total LOE	Clerical	Total Labor Hours	Labor Cost
1 - 1 2 Attend Social Meeting 1 - 3 Conduct Size Visit Plan and Associated Cost Estrata	Task 1	Project Planning And Support										
1 3) Conduct Bills Visit Side 1 4) Develop Part Work Plan and Associated Cost Estimate 1 5 1 0 22 3 35 1 37 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			14					14				^^ ^=
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1 15 Review PR Pains												
1 1.10 [celtings-Weekly Conference calls												
1.11 Subcontract Procurement 0												
1 1.12 Perform Subcontract Metagement Task 1 Torrals 19.5 169.5 264.5 0 0 14 467.5 2 469.5 Task 2 Community Relations Task 1 Torrally Interviews - Nat Applicable 2 2.1 Currally Interviews - Nat Applicable 2 2.2 Currally Interviews - Nat Applicable 2 2.3 Public Metering Support 2 2.5 Public Metering Support 2 2.5 Public Metering Support - Not Applicable 2 2.5 Public Metering Support - Not Applicable 2 2.6 Public Metering Support - Not Applicable 2 2.7 Information Repositories 2 2.7 Information Repositories 2 2.8 Public Metering Support - Not Applicable 2 2.9 Public Metering Support - Not Applicable 3 2.9 Public Metering Support - Not Applicable 4 2.1 Public Metering Support - Not Applicable 4 2.2 Public Metering Support - Not Applicable 5 3.1 Notification of Development - Not Applicable 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				39	63							
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2 2.1 Community Interviews - Not Applicable 2 2.2 Community Relation Plan (CRP) - Not Applicable 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Task 2		10.0	1 100.0	1 204.0			1	1 107.0	-	1 400.0	
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2 2.6 Public Notices									0		0	
2 2.7 Information Repositories 2 2.8 Site Mailing List TASK 2 FOALS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0		0	
2 2.8 [Site Multing List									0		0	
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6 6.1 Data Usability Evaluation and Field QA/QC 6 6.2 Data Reduction, Tabulation and Evaluation 6 6.3 Modeling Oversight 6 6.4 Technical Memorandum (Data Evaluation Report) 7 7.1 Review of PRP Remedial Design Documents 7 7.1 Review PRP Remedial Design Documents 8 8.1 Technical Meeting Support 8 8.1 Technical Meeting Support 9 9 9.1 Revised Work Passignment Closeout 9 9 9.1 Revised Work Plan Budget 9 9 9.2 Document Indexing 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Task 6		u u		1	1 0	1 0	ı		v	ı	
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7 7.1 Review PRP Remedial Design Documents Task 8 Task 8 Technical Meeting Support 8 8.1 Technical Meeting Support Task 9 Task 9 Work Assignment Closeout 9 9.1 Revised Work Plan Budget 9 9.2 Document Indexing 9 9.3 Document Retention/Conversion Task 9 Totals O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	0	0	0	0	0	0	0	
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9 9.2 Document Indexing 9 9.3 Document Retention/Conversion TASK 9 TOTALS 0 0 0 0 0 0 0 0 0 0 ALL TASKS SUBTOTAL 19.5 169.5 264.5 0.0 0.0 14.0 467.5 2.0 469.5 OVERHEAD (158.6%)				I	T				1 0		0 1	
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OVERHEAD (158.6%)	0.0		0	0	0	0	0	0		0		
OVERHEAD (158.6%)		ALL TASKS SUBTOTAL	19.5	169.5	264.5	0.0	0.0	14.0	467.5	2.0	469.5	
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		GRAND TOTAL	19.5	169.5	264.5	0.0	0.0	14.0	467.5	2.0	469.5	

Report 2a-Labor Page 4 of 8 WORK PLAN
EPA REGION 2 AES CONTRACT NO. EP-W-09-00
REPORT 38:: OTHER DIRECT COSTS
WORK ASSIGNMENT NO: 032-ROBE-A245

1	VORK ASSIGN VORK ASSIGNI	MENT	NO: 032-ROBE-A245 WORK AS: TITLE: New Cassel/Hicksville Groundwater Contamination Site	SIGNMENT TYP	E: Remedial Design Oversight			SUBMITTAL DATE 07/09/1
1 12 Second Starting Section 1 1 Second Starting Section 1 1 Second Starting Section 1 1 Second Section (Section Section Secti	Task Numb	er	Task Name	1	Expense Type Unit Price (\$)	Units	Cost (S)	Notes
1 12 Demonstration Ma. 1 14 Design Child Wild Plan and Autocold Confidence 1 15 Design Child Wild Plan and Autocold Confidence 1 15 Design Child Wild Plan and Autocold Confidence 1 15 Design Child Child Plan and Child C	1 T	1.1	Project Planning And Support Project Administration		·			
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1 12 Duelly Answers Prigit Flori (SARP) 1 13 Private and State (Prior (MATE) 1 13 Private prior (MATE) 1 13 Private private and State (Prior (MATE) 2 2 2 Prior (MATE) 2 2 2 Private private private and State (MATE) 2 2 2 Private p	1	1.6	Evaluate Existing Data and Documents					
1 13 Note 170 Page 1 10 Note 170								
1 1.5 Revent PREP Page 1 1.5 Australy Worker's Code 1 1.1 Discontinue Programmer 2 1.1 Disposition Statement Management 3 1.1 Disposition Statement Management 3 1.1 Disposition Statement Management 3 2 2.1 Community Programmer Mat Application 2 2.2 Community Programmer Mat Application 2 2.2 Disposition From (NAT Application 2 2.2 Disposition From (NAT Application 2 2.2 Programmer From Statement Management 3 2.2 Programmer From Statement Management 3 3.2 Programmer From Statement Management 4 4 Disposition Management Manage	1	1.7	uuality Assurance Project Plan (UAPP)					
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7 7. 1 Review PRP Remodal Design Documents TASK 7 TOTALS TASK 8 Technical Meeting Support 8 8.1 Technical Meeting Support Task 8 Tech 9 Werk Ausgement Closeout 9 9.1 Revised Work Plan Bungst 9 9.2 Document Indexing 9 9.3 Document Retentor/Conversion TASK 9 TOTALS		set 7	TASK 8 TOTALS					
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	9	9.3	Document Retention/Conversion					
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WORK PLAN
EPA REGION 2 AES CONTRACT NO. EP-W-09-009
REPORT 4a:: TRAVEL
WORK ASSIGNMENT NO: 032-ROBE-A245
WORK ASSIGNMENT TITLE: New Cassel/Hicksville Groundwater Contamination Site WORK ASSIGNMENT TYPE: Remedial Design Oversight

		1	Mileage			Per Diem		1	Lodging		Other 7	ravel (See	Notes1		
Task Number	Task Name	Unit			Unit			Unit			Unit	-		Travel Cost (\$)	Notes
		Price(\$)	Units	Cost (\$)	Price(\$)	Units	Cost (\$)	Price(\$)	Units	Cost (\$)	Price(\$)	Units	Cost (\$)		1
	Project Planning And Support				· · · · · · · · · · · ·						`				
	Project Administration														
1 1.2	Attend Scoping Meeting														includes mileage and tolls
1 1.3	Conduct Site Visit														
1 1.4	Develop Draft Work Plan and Associated Cost Estimate														
1 1.5	Negotiate and Prepare Final Work Plan and Budget														
	Evaluate Existing Data and Documents														
	Quality Assurance Project Plan (QAPP)														
	Health and Safety Plan (HASP)														
1 19	Review PRP Plans														
	Meetings/Weekly Conference Calls														1 meeting at Site, 1 meeting in NYC
	Subcontract Procurement														Timecang at Oite, Timecang artist
	Perform Subcontract Management														ł
1 1.12]	TASK 1 TOTALS	· ·													
Tack 2	Community Relations	44 88													
	Community Interviews - Not Applicable														
	Community Interviews - Not Applicable Community Relations Plan (CRP) - Not Applicable														
	Public Meeting Support														
	Fact Sheet Preparation														
	Proposed Plan Support - Not Applicable														
	Public Notices														
	Information Repositories														
2 2.8	Site Mailing List	Į.													
	TASK 2 TOTALS	4													
	Field Oversight and Data Acquisition														
3 3.1	Mobilization and Demobilization Oversight														
	Remedial Design Field Oversight														
	Prepare Field Investigation Oversight Periodic Reports														
3 3.4	Prepare Final Field Investigation Oversight Summary Report														
	TASK 3 TOTALS	1													
	Task 4 Analysis of Split Samples	8													
	Innovative Methods/Field Screening Analysis														
	Analytical Services Provided by CLP, DESA, EPA-ERT														
4 4.3	Non-Routine Analytical Services TASK 4 TOTALS														
T 1 ()		<u> </u>													
	Task 5 Data Validation of Split Samples Prepare and Ship Environmental Samples														
5 5.2	Sample Management/Coordination with Appropriate Personnel														
5 5.3	Data Validation														
	TASK 5 TOTALS	11													
	Task 6 Data Evaluation of Sample Analysis	*													
	Data Usability Evaluation and Field QA/QC														
	Data Reduction, Tabulation and Evaluation														
6 6.3	Modeling Oversight														
6 6.4	Technical Memorandum (Data Evaluation Report)														
	TASK 6 TOTALS Task 7 Review of PRP Remedial Design Documents	4													
	Review PRP Remedial Design Documents														
/ /.1]															
	TASK 7 TOTALS	1													
Task 8	Task 8 Technical Meeting Support														
8 8.1	Technical Meeting Support														
	TASK 8 TOTALS	1													
Task 9	Task 9 Work Assignment Closeout														
	Revised Work Plan Budget														
	Document Indexing														
9 9.3	Document Retention/Conversion														
	TASK 9 TOTALS														
	GRAND TOTAL														
	GRAND TOTAL	3													

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Task Number	Task Name	Description	Cost (\$)	Notes
	Project Planning And Support			
1 1.1	Project Administration			
1 1.2	Attend Scoping Meeting			
	Conduct Site Visit			
	Develop Draft Work Plan and Associated Cost Estimate			
	Negotiate and Prepare Final Work Plan and Budget			
	Evaluate Existing Data and Documents			
	Quality Assurance Project Plan (QAPP)			
1 1.8	Health and Safety Plan (HASP)			
	Review PRP Plans			
	Meetings/Weekly Conference Calls			
1 1.10	Subcontract Procurement			
1 1.11	Perform Subcontract Management			
1 1.12				
	TASK 1 TOTALS			
Task 2	Community Relations			
2 2.1	Community Interviews - Not Applicable			
2 2.2	Community Relations Plan (CRP) - Not Applicable			
	Public Meeting Support			
	Fact Sheet Preparation			
	Proposed Plan Support - Not Applicable			
	Public Notices			
	Information Repositories			
2 2.8	Site Mailing List			
	TASK 2 TOTALS			
Task 3	Field Oversight and Data Acquisition	<u> </u>		
	Mobilization and Demobilization Oversight			
	Remedial Design Field Oversight			
3 3.2	Remedial Design Fled Oversigni			
3 3.3	Prepare Field Investigation Oversight Periodic Reports			
3 3.4	Prepare Final Field Investigation Oversight Summary Report			
	TASK 3 TOTALS			
	Task 4 Analysis of Split Samples			
4 4.1	Innovative Methods/Field Screening Analysis			
	Analytical Services Provided by CLP, DESA, EPA-ERT			
	Non-Routine Analytical Services			
7 7.0	TASK 4 TOTALS			
		L		
	Task 5 Data Validation of Split Samples			
	Prepare and Ship Environmental Samples			
	Sample Management/Coordination with Appropriate Personnel			
5 5.3	Data Validation			
	TASK 5 TOTALS			
Task 6	Task 6 Data Evaluation of Sample Analysis	·		
	Data Usability Evaluation and Field QA/QC			
	Data Reduction, Tabulation and Evaluation			
	Modeling Oversight			
6 6.4	Technical Memorandum (Data Evaluation Report)			
	TASK 6 TOTALS			
Task 7	Task 7 Review of PRP Remedial Design Documents			
	Review PRP Remedial Design Documents			
	TASK 7 TOTALS			
7,	Task 8 Technical Meeting Support			
8 8.1	Technical Meeting Support			
	TASK 8 TOTALS			
	Task 9 Work Assignment Closeout			
9 9.1	Revised Work Plan Budget			
	Document Indexing			
	Document Retention/Conversion			
J 3.3	TASK 9 TOTALS			
	TASK 9 TOTALS			
	GRAND TOTAL			
	CIOND TOTAL			

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Task Number	Task Name	Description Of Equipment	Cost (\$)	Notes
Task 1	Project Planning And Support			1
	Project Administration			
1 1.2	Attend Scoping Meeting			
1 1.3	B Conduct Site Visit			
1 1.4	Develop Draft Work Plan and Associated Cost Estimate			
	Negotiate and Prepare Final Work Plan and Budget			
	Evaluate Existing Data and Documents			
	Quality Assurance Project Plan (QAPP)			
	Health and Safety Plan (HASP)			
	Review PRP Plans			
	Meetings/Weekly Conference Calls			
1 1.11	Subcontract Procurement			
	Perform Subcontract Management			
1 1.12	TASK 1 TOTALS			
Task 2	Community Relations			
	Community Interviews - Not Applicable	I		
	Community Relations Plan (CRP) - Not Applicable			
	Public Meeting Support			
2 2.4	Fact Sheet Preparation			
	Proposed Plan Support - Not Applicable			
	Public Notices			
	Information Repositories			
2 2.8	Site Mailing List			
¥1.7	TASK 2 TOTALS Field Oversight and Data Acquisition			
	Mobilization and Demobilization Oversight			
	Remedial Design Field Oversight			
3 3.3	Prepare Field Investigation Oversight Periodic Reports			
3 3.4	Prepare Final Field Investigation Oversight Summary Report			
· · · · · · · · · · · · · · · · · · ·	TASK 3 TOTALS			
	Task 4 Analysis of Split Samples			
	Innovative Methods/Field Screening Analysis			
	Analytical Services Provided by CLP, DESA, EPA-ERT			
4 4.3	Non-Routine Analytical Services			
	TASK 4 TOTALS			
	Task 5 Data Validation of Split Samples			
	Prepare and Ship Environmental Samples			
	Sample Management/Coordination with Appropriate Personnel			
5 5.3	B Data Validation			
	TASK 5 TOTALS			
	Task 6 Data Evaluation of Sample Analysis			
	Data Usability Evaluation and Field QA/QC			
	Data Reduction, Tabulation and Evaluation			
	Modeling Oversight			
6 6.4	Technical Memorandum (Data Evaluation Report)			
	TASK 6 TOTALS			
	Task 7 Review of PRP Remedial Design Documents			
7 7.1	Review PRP Remedial Design Documents			
	TASK 7 TOTALS			
	B Task 8 Technical Meeting Support			
8 8.1	Technical Meeting Support			
	TASK 8 TOTALS			
	Task 9 Work Assignment Closeout	······································		
	Revised Work Plan Budget			
	Document Indexing			
9 9.3	B Document Retention/Conversion			
	TASK 9 TOTALS			
	GRAND TOTAL			

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